

ADDED 17

CLAIMS

1. Dispenser of objects comprising a body forming a reservoir (2) intended for storing the objects (8) that are to be dispensed, an outlet passage (22) for said objects, arranged at one of the ends of the body (2), and returned translation means (12) capable of performing a reciprocating movement with respect to the body (2) so as to release a determined number of objects (8) during each outward and return stroke of the translational movement, characterized in that said returned translation means are arranged in the form of a flexible shape-memory membrane (12) pierced with a calibrated opening (17), making it possible both to exert the return force that allows said reciprocating translational movement and, by cooperating with thrust means (18) to control and dispense said objects.
2. Dispenser according to Claim 1, characterized in that the thrust means comprise a fixed element (18) situated toward the outlet passage (22) near where the object or objects (8) to be dispensed lie, the returned translation means (12) moving alternately closer to and away from the fixed element (18), so that the fixed element (18) pushes said object or objects (8) to be dispensed.
3. Dispenser according to Claim 1 or 2, characterized in that if the object to be dispensed is in the shape of a ball, the opening (17) has a diameter slightly smaller than the diameter of the ball, and is surrounded by a flexible lip (17a) to allow the object to pass.
4. Dispenser according to one of Claims 1 to 3, characterized in that the returned member (12) is

a flexible membrane that can be deformed elastically, in the form of a cup, the edge of which is fixed to the end of the body (2).

5. Dispenser according to Claim 4, characterized in that the flexible cup (12) is made of an elastomeric material.
6. Dispenser according to one of Claims 2 to 5, characterized in that the fixed element is an elongate piece (18) secured to the end of the body and placed more or less facing the opening (17) in the returned member (12).
7. Dispenser according to Claim 6, characterized in that the fixed element (18) has a chamfered face (19) and is cut to a point (21), so as to be shaped as the object to be dispensed.
8. Dispenser according to one of Claims 2 to 7, characterized in that the fixed element (18) and the opening (17) in the returned member (12) are arranged centrally with respect to the end of the body (2).
9. Dispenser according to one of Claims 2 to 8, characterized in that the outlet passage (22) is defined by the interior face of the flexible cup (12) and by the exterior surface (19) of the fixed element (18).
10. Dispenser according to one of the preceding claims, characterized in that it comprises a receptacle (23) intended to receive the dispensed object or objects (38), and also forming a cap.
11. Dispenser according to Claim 10, characterized in that the receptacle (23) slides with respect to the body (2) and has one or more internal

projections (28) which press against, push, and elastically deform the flexible cup (12) toward the fixed element (18).

12. Dispenser according to one of the preceding claims, characterized in that it comprises a removable safety device (29), intended to prevent access to the translation means and any movement of said translation means (12).

13. Dispenser according to one of the preceding claims, intended to dispense pills, tablets or sweeteners.